

$$T = \begin{pmatrix} -\frac{\sqrt{2}}{2} & \frac{\sqrt{2}}{2} & 0 \\ \frac{\sqrt{2}}{2} & \frac{\sqrt{2}}{2} & 0 \\ 0 & 0 & 1 \end{pmatrix}, \quad T^{-1} = \begin{pmatrix} -\frac{\sqrt{2}}{2} & \frac{\sqrt{2}}{2} & 0 \\ \frac{\sqrt{2}}{2} & \frac{\sqrt{2}}{2} & 0 \\ 0 & 0 & 1 \end{pmatrix}$$
[illegible][illegible][illegible][illegible][illegible][illegible]
$$T = \begin{pmatrix} -\frac{\sqrt{2}}{2} & \frac{\sqrt{2}}{2} & 0 \\ \frac{\sqrt{2}}{2} & \frac{\sqrt{2}}{2} & 0 \\ 0 & 0 & 1 \end{pmatrix}, \quad T^{-1} = \begin{pmatrix} -\frac{\sqrt{2}}{2} & \frac{\sqrt{2}}{2} & 0 \\ \frac{\sqrt{2}}{2} & \frac{\sqrt{2}}{2} & 0 \\ 0 & 0 & 1 \end{pmatrix}$$
[illegible]
$$T = \begin{pmatrix} -\frac{\sqrt{2}}{2} & \frac{\sqrt{2}}{2} & 0 \\ \frac{\sqrt{2}}{2} & \frac{\sqrt{2}}{2} & 0 \\ 0 & 0 & 1 \end{pmatrix}, \quad T^{-1} = \begin{pmatrix} -\frac{\sqrt{2}}{2} & \frac{\sqrt{2}}{2} & 0 \\ \frac{\sqrt{2}}{2} & \frac{\sqrt{2}}{2} & 0 \\ 0 & 0 & 1 \end{pmatrix}$$
[illegible]

second memory is a random access memory.

- [c8] 8.The method of claim 1 wherein the optical disc is a compact disc (CD) or a digital versatile disc (DVD).
- [c9] 9.A controller for reading optimized power calibration (OPC) data of an optical disc recorder in a optical disc recorder, the controller comprising:  
a first memory stored with a program code for controlling functionalities of the optical disc recorder and a plurality of identification codes for, each identification code being corresponding to an OPC data;  
a second memory for registering the program code; and  
a control circuit for controlling the functionalities of the optical disc recorder according to the program code;  
wherein the control circuit registers the program code into the second memory and writes the OPC data to the first memory according to the program code registered in the second memory.
- [c10] 10.The controller of claim 9 wherein the control circuit is capable of controlling the optical disc recorder to read an identification code of an optical disc; the control circuit registering the program code in the second memory, controlling the optical disc recorder to execute the optimized power calibrating process to obtain new OPC data, and writing the new OPC data to the first memory according to the program code registered in the second memory when the identification code is different from an original identification code.
- [c11] 11.The method of claim 10 wherein the control circuit controls the optical disc recorder to record data onto the optical disc according to an original OPC data corresponding to the original identification code when the identification code is identical to the original identification code.
- [c12] 12.The method of claim 11 wherein the original OPC data are stored in the first memory.
- [c13] 13.The method of claim 10 wherein the original identification code is stored in the first memory.

[c15] 15.A method for reading OPC data of a optical disc by using a optical disc recorder comprising:

- reading an identification code of the optical disc;
- comparing the identification code with an original identification code stored in a first memory and executing an optimized power calibrating process according to the identification code if the identification code being identical to the original identification code;
- registering a program code of the optical disc recorder into a second memory and controlling functionalities of the optical disc recorder according to the program code if the identification code being different from the original identification code;
- the optical disc recorder executing the optimized power calibrating process to obtain the OPC data of the optical disc; and
- controlling the optical disc recorder according to the program code and storing the OPC data into the first memory.

[c16] 16.The method of claim 15 wherein the first memory is a flash memory and the second memory is a random access memory.